



Prototyping



Low Volume



Mid Volume



High Volume



Customized Solutions

ro06.

BATCH REFLOW OVEN FOR PROTOTYPING

essemtec.
swiss made

ROo6-PLUS

Easy Simulation of special
soldering tasks **RO-SOFT**

Homogeneous convection heater for
Lead-free or standard soldering profiles



400x300 mm **process area**

Quartz lamp supports quick heating

Integrated microprocessor control with LCD

Large window for **process monitoring**
and **Unique pause function** for process evaluation

SWISS MADE

Easiest operation – ideal for prototyping

“Easiest operation combined with exactly adjustable soldering profiles – the worldwide preferred solution for prototypes and small series”

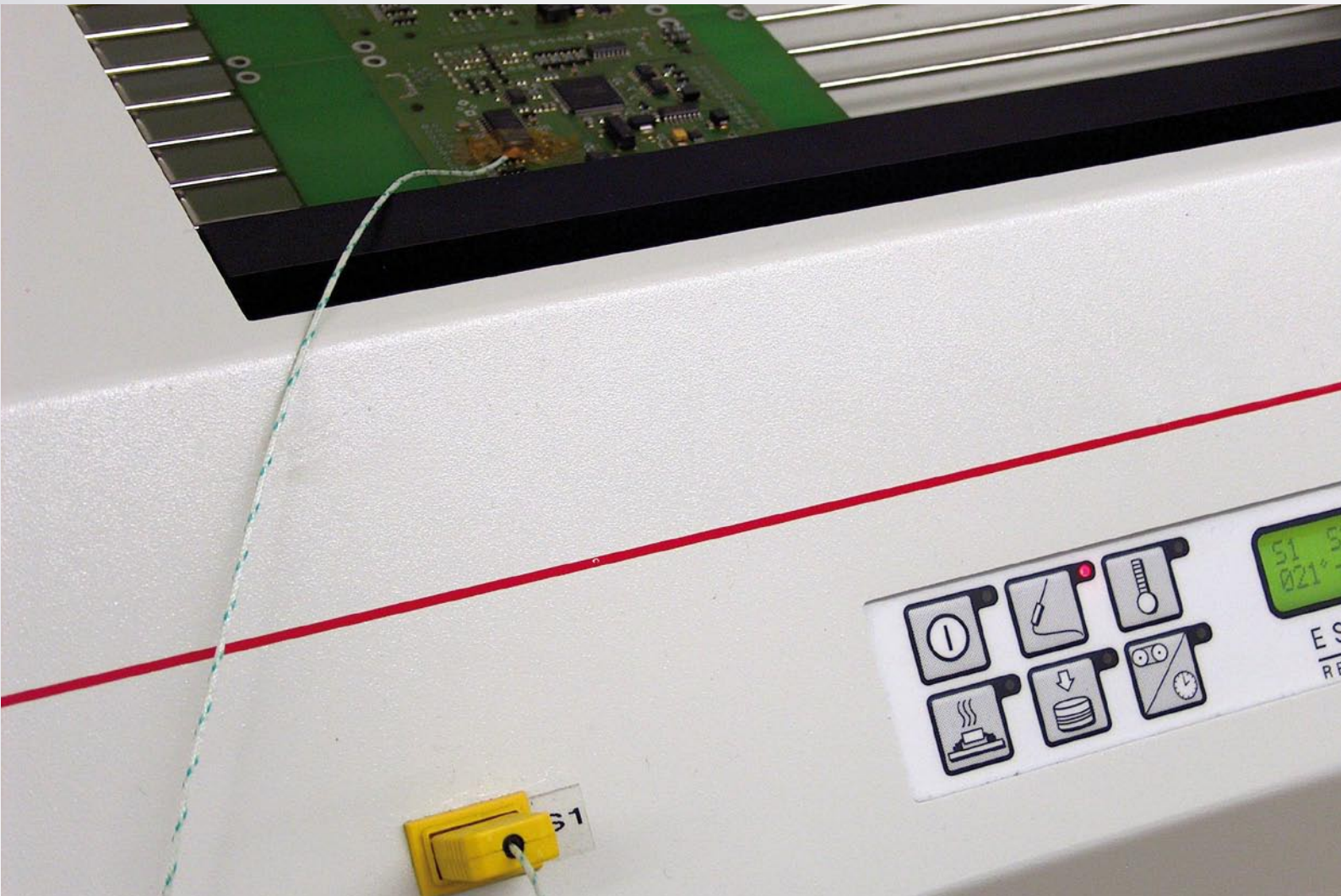
In regard to component type, component density and board complexity, the soldering of state-of-the-art PCB requires professional production equipment, especially in low-volume manufacturing. Solder quality equal to that in high-volume environments must be ensured.

The integrated microprocessor control with LCD display provides an easy-to-use operator interface and storage capacity of up to 28 profiles. The memory provides program proposals and enough space for own profiles.

Two external temperature sensors allow the measuring of profiles directly in the circuit board. The integrated LCD panel directly indicates the measured temperature values.



OPERATION



High tech engineering for a maximum in flexibility and quality

To meet industries requirements, the ROo6 reflow oven is the ideal solution. The integrated convection heater with quartz lamp support for steep ramping, an automated process flow and the feasibility of storing various profiles have made the ROo6 the preferred solution in the lab and in

low-volume manufacturing all over the world. Integrated microprocessor control permits the programming of a basic temperature, the desired pre-heat temperature and time, as well as the required soldering temperature and time. After cooling down, the drawer automatically

moves out of the heat chamber. The large window enables visual monitoring of the process running inside the sealed heat chamber. Using the unique pause function, a given solder profile can be extended manually. This ensures that a new product is correctly soldered in the first pass.

Easy simulation of special soldering tasks

Temperature regulation

The integrated microprocessor control sets exact values for temperature and time and provides a comprehensive program library. In addition, it can store custom programs as well.

Soldering or curing

The profile library of the ROo6-Plus includes programs for standard and lead free soldering as well as for curing applications.

Quality assurance

The temperature profiles measured can be graphically displayed on a PC, connecting via RS-232 interface (RO-SOFT).

RO-SOFT

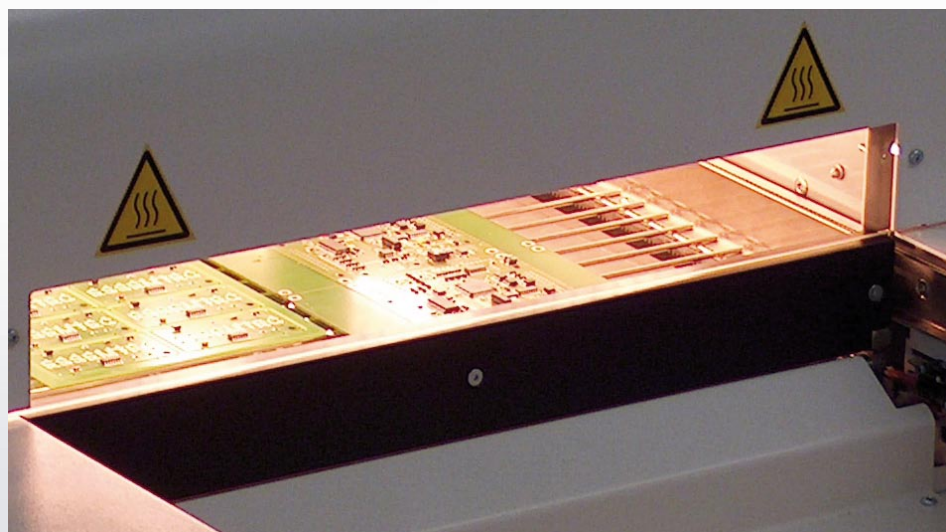
The software records the measured profiles as well as the chamber temperature. The temperature curves can be stored and graphically superimposed for process control.

Clean

Fumes from the heat chamber can be exhausted directly by a fume extraction system.

Automatic processing

The motor-driven drawer automatically moves back and forth between heat chamber and forced air cooling zone.



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